

ABSTRACT

A pump includes a body, and first and second rotors. A chamber is defined in the body. First and second inlets and first and second outlets are defined in the body in communication with the chamber. The first rotor is rotatably received in the chamber and connected with a first shaft. The first rotor is generally circular with a blade extending outward therefrom. The blade includes first and second mating surfaces. A third mating surface is formed at the blade between the first and second mating surfaces. The second rotor is rotatably received in the chamber and connected with a second shaft. The second rotor is generally circular with an engaged recess inward defined therein for mating with the blade of the first rotor. The engaged recess includes first and second engaged surfaces for mating with the first and second mating surfaces. A third engaged surface is formed at the bottom of the engaged recess between the first and second engaged surfaces for mating with the third mating surface of the blade.